

DRAFT

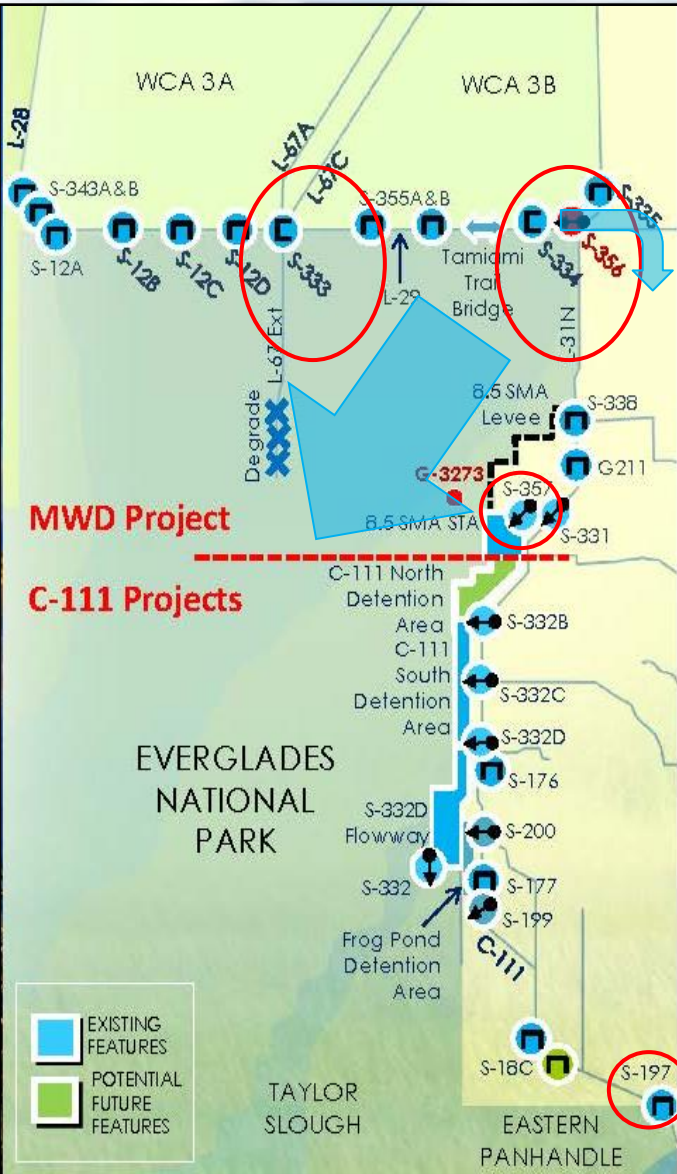
MWD/C-111 South Dade Increment 1 Field Test

WATER RESOURCES ADVISORY COMMISSION

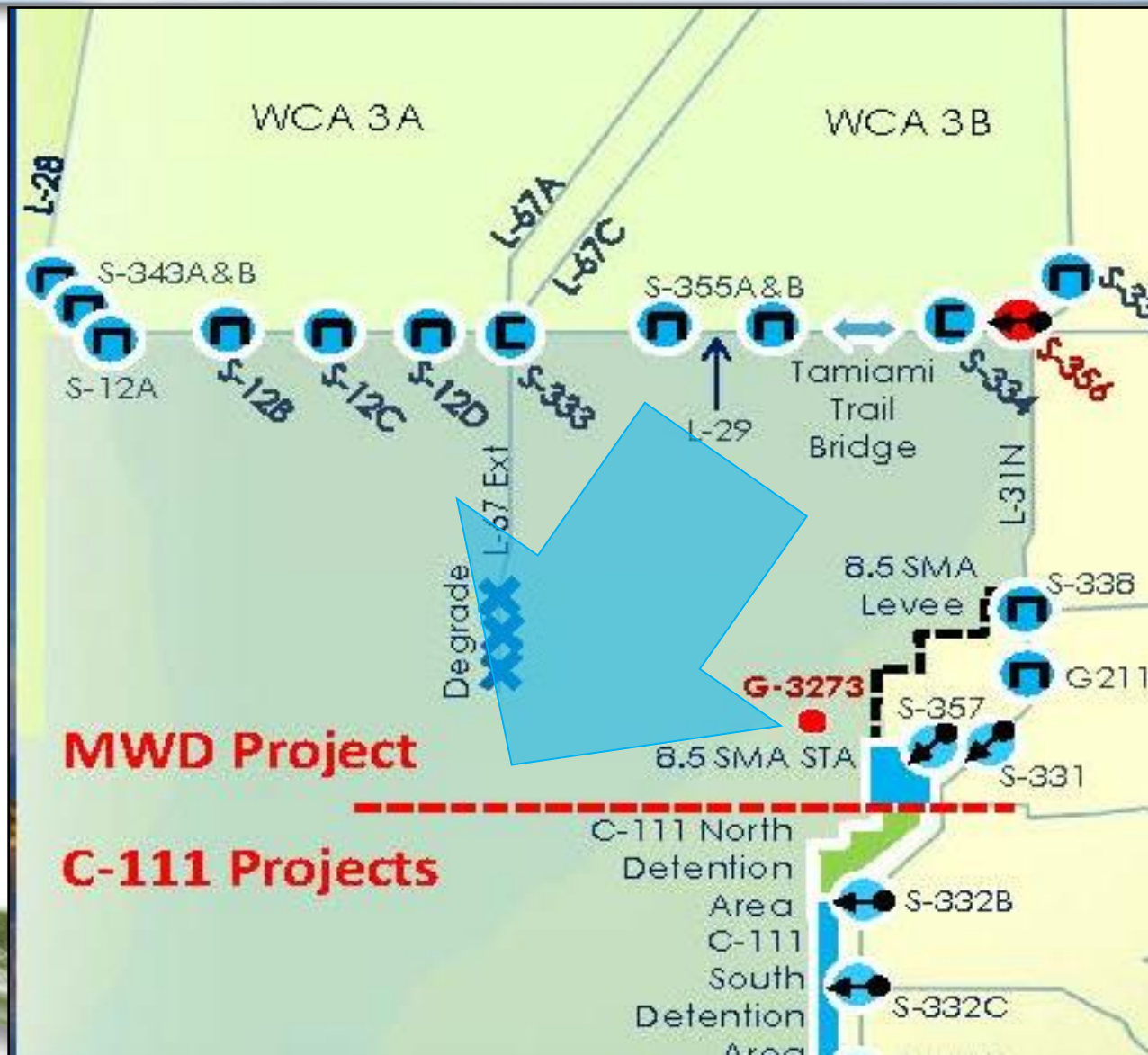
January 8, 2015

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Engineering and Construction Division**





- Overarching project need is to increase water deliveries from WCA 3A to ENP through NESRS.
- Reduce the number of times S-333 discharges are limited by the existing G-3273 stage constraint of 6.8 feet NGVD.
- Reliance on S-334 to lower stages in WCA 3A is expected to decrease due to the increased availability of discharge to NESRS (ERTP Column 2).
- Alternatives differ based on:
 - Degree of relaxation of G-3273 stage constraint
 - Use of Column 2 Operations
 - Inclusion of operational changes to C-111 Canal structures S-197 (S-18C HW or S-178 TW)



Alternatives for NEPA Assessment

- A) No Action
- B) Incremental Relaxation of G-3273 Constraint
- C) Relaxation of G-3273 Constraint up to 7.5 feet NGVD
- D) Relaxation of G-3273 Constraint and Removal of Column 2 Operations at S-334
- E) Relaxation of G-3273 Constraint and Operational Criteria Changes at S-197 (Trigger S-18C HW)
- F) Relaxation of G-3273 Constraint Without Operational Criteria Changes at S-197
- G) Relaxation of G-3273 Constraint and Operational Changes at S-197 (Trigger S-178 TW)



Schedules

Increment 1

Public/Agency Review
Initiate Test

February 2015
April 2015

Contract 8

Contract Award
Construction Begin
Construction Complete

July 2015
September 2015
January 2017

8.5 SMA: S-357N

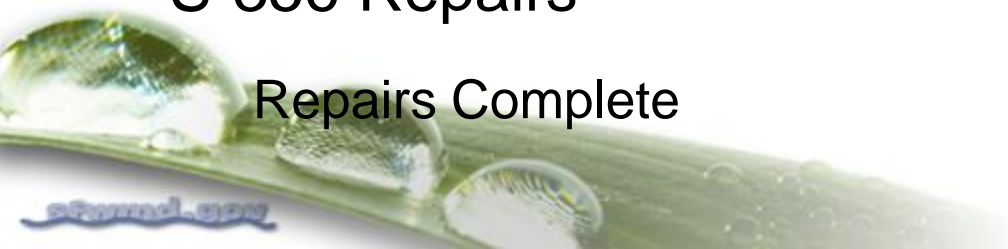
Contract Award
Construction Complete

April 2015
January 2016

S-356 Repairs

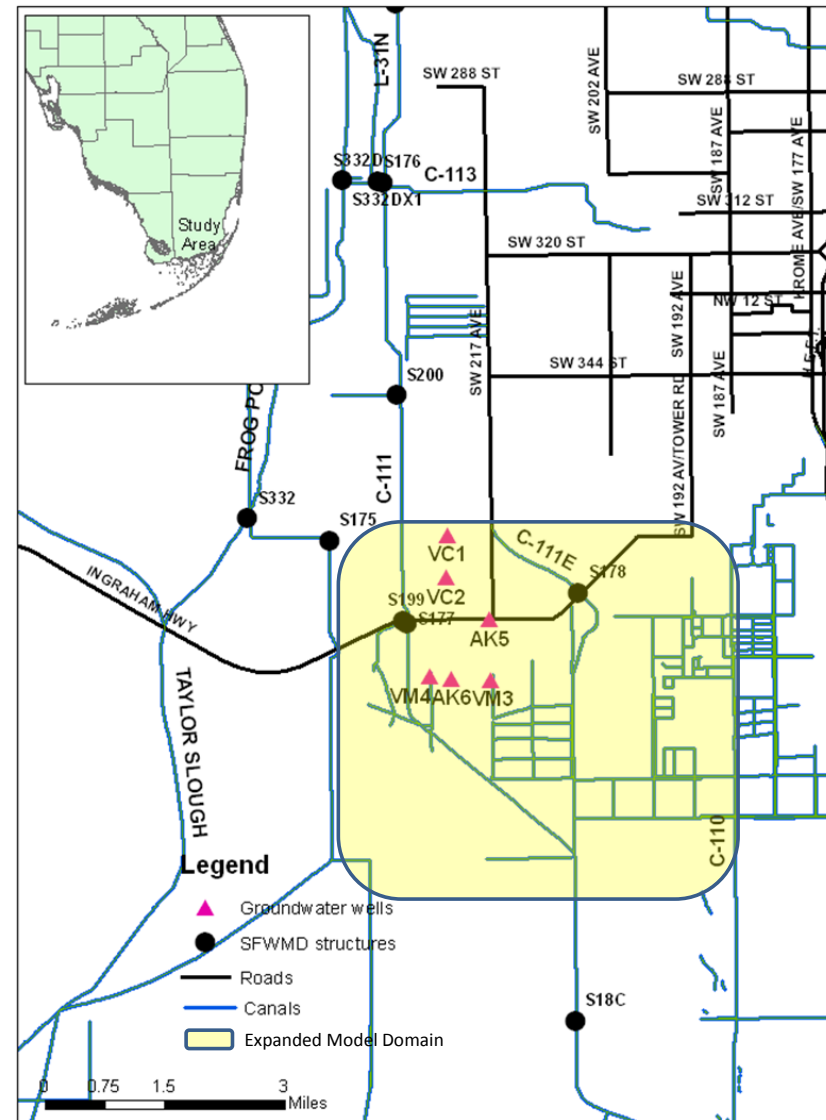
Repairs Complete

April 2015

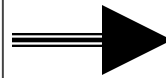
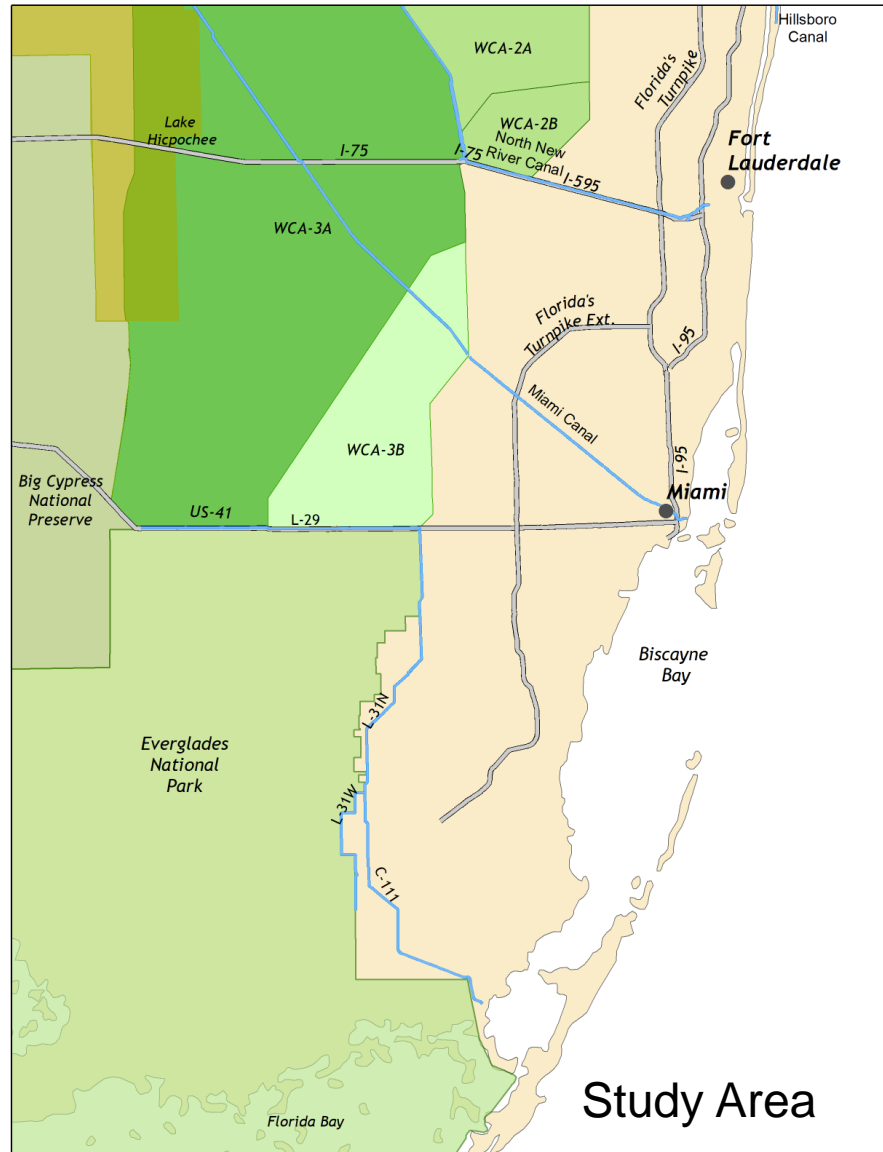


UF IFAS Study

- January GB will consider renewal of existing contract
- Adds 10 additional wells to existing 6 wells
- Expands coverage of the groundwater flow model



SFWMD Modeling Effort



Modeling Schedule

- RSMGL model is ready for use.
 - Currently undergoing enhancements from the CEPP process.
- MDRSM model development was initiated in September 2014.
 - Initial MDRSM model implementation and calibration should be completed by June 2015.
- RSMGL and MDRSM model refinement will continue as additional information is obtained from the S-356 test and Increment 1.



QUESTIONS?

